

CLAIM AMENDMENTS

In The Claims:

Cancel claims 3, 7 and 8, and amend claims 2, 4, 5 and 6:

Claim 1 (original)

1. A snap action switch which includes upper and lower nonsnap contacts, and which includes a snap action actuator having an actuation location and a tripping leg and a middle snap contact on the tripping leg, said middle contact lying between said upper and lower contacts and said middle contact being moveable between a down position against said lower contact and an up position against said upper contact, said actuator being constructed to snap said middle contact from said down position to said up position when said actuation location is depressed beyond a first snap height and to snap said middle contact from said up position to said down position when said actuation location is allowed to rise beyond a second snap height, comprising:

means for varying the height of one of said nonsnap contacts, to thereby vary one of said snap heights at which said middle contact snaps.

Claim 2 (currently amended)

2. The switch described in claim 1 including:

a frame, said actuator having a resilient beam mounted on said frame to locate said actuator location in horizontal directions while allowing said actuation location to move vertically;

5 a cantilevered beam having a first beam end fixed to said frame and an opposite second end, said upper contact being mounted on said cantilevered beam between said ends;

~~means for adjusting the height of a location on said cantilevered beam that is spaced from said first beam end, said means for varying includes a screw that is threadably connected to said frame and that engages said beam second end.~~

Claim 3 (cancelled).

Claim 4 (currently amended)

4. A snap action switch comprising:

a frame;

an operator that is moveably mounted in said frame and that has an operator triggering end;

5 a spring that is mounted in said frame and that has a frame-abutting end coupled to said frame and an operator-abutting end coupled to said operator and urging said operator end upwardly;

upper and lower unsnap contacts mounted on said frame;

10 a snap action actuator having an actuation location lying immediately below said operator end, to be moved downward by said operator end, said actuator having a trigger leg with a middle snap contact thereon lying between said upper and lower contacts and moveable between a down position against said lower contact and an up position against said upper contact, said actuator constructed to snap said middle contact from said down position to said up position when said actuation location is moved down beyond a first snap height, and to snap said middle contact from said up position to said down position when said actuation location rises beyond a second snap height, comprising:

15 means for fixing adjusting the position of said upper contact to position said upper contact at higher and lower positions relative to said lower contact, to thereby change the height at which said middle contact snaps down.

20 Claim 5 (currently amended)

5. The switch described in claim 4 wherein:

said means for fixing adjusting includes a beam with a first beam location fixed to said frame, a second beam location that is spaced from said first locations with said upper contact being fixed to said beam at said beam second location,

5 and a beam third location that is spaced from said beam first location, said means for fixing also including a screw that can be tightened to press down said beam third location.

Claim 6 (currently amended)

6. The switch described in claim 4 wherein:

said frame has a fluid inlet, and including a membrane with a periphery fixed to said frame, and with a first membrane side exposed to said fluid and an opposite membrane side that applies force to said operator to urge said operator downwardly against said spring force;

5 said snap action actuator snaps said middle contact down against said lower contact when said operator moves upward beyond an upper actuation height (112), and said means for fixing adjusting adjusts the height of the said upper contact to adjust said upper actuation height.

Claim 7 (cancelled).

Claim 8 (cancelled).

Claim 9 (original)

9. A method for use with a snap action switch arrangement which includes a frame, an operator that is moveably mounted in the frame, a spring coupled to the operator and frame and biasing the operator in a downward direction, upper and lower unsnap contacts mounted on said frame, and a snap action actuator having an actuation location lying immediately below said operator to be moved downward by said operator, said actuator having a trigger leg with a middle snap contact thereon lying between said upper and lower unsnap contacts and moveable between a down position against said lower contact and an up position against said upper contact, said actuator constructed to snap said middle contact from said down position to said up position when said actuation location

is moved down beyond a first snap height, and to snap said middle contact from said up position to said down position when said actuation location rises beyond a second snap height, the method being useful to adjust said second snap height at which said middle contact snaps to said down position, comprising:

15       adjusting the height of said upper unsnap contact relative to said snap action actuator.